

WEST Search History

DATE: Tuesday, March 08, 2005

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L19	L18 and ((magnetic adj resonance) or MRI or NMR)	2
<input type="checkbox"/>	L18	L17 and (gradient)	7
<input type="checkbox"/>	L17	L16 and (noncryogen\$2 or non-cryogen\$2 or (cryogen\$2 with (free or "without" or "no"))))	15
<input type="checkbox"/>	L16	L15 and ((heat\$4 or thermal\$3 or temperature) with (reservoir or container or vessel or holder or receptacle or chamber))	39
<input type="checkbox"/>	L15	L7 and (enthalpy)	40
<input type="checkbox"/>	L14	L13 and ((magnetic adj resonance) or MRI or NMR)	11
<input type="checkbox"/>	L13	L12 and (shield\$4 or cage or Faraday or shim\$4)	14
<input type="checkbox"/>	L12	L11 and (noncryogen\$2 or non-cryogen\$2 or (cryogen\$2 with (free or "without" or "no"))))	22
<input type="checkbox"/>	L11	L10 and (vacuum or chamber)	70
<input type="checkbox"/>	L10	L9 and ((superconduct\$4 or super-conduct\$4 or "super conduct\$4") with (magnet))	79
<input type="checkbox"/>	L9	L8 and (magnet)	102
<input type="checkbox"/>	L8	L7 and (cryocooler or cooler or "cryo" or cryo-cooler or cryostat\$4 or cryostatically)	172
<input type="checkbox"/>	L7	L6 and (pipe or tube or tubing or conduit or connector or connector or copper or "Cu")	387
<input type="checkbox"/>	L6	L5 and (mass or weight\$4 or "kg" or kilogram)	405
<input type="checkbox"/>	L5	L4 and (epoxy or ice or methacrylate or polyurethane or synthetic or rubber\$4 or natural or plastic or resin or lead or "Pb")	565
<input type="checkbox"/>	L4	L3 and (reservoir or container or vessel or holder or receptacle)	731
<input type="checkbox"/>	L3	L2 and ((heat\$4 or thermal\$3 or temperature) with capacity)	1563
<input type="checkbox"/>	L2	L1 and (heat\$4 or thermal\$3 or temperature)	45712
<input type="checkbox"/>	L1	(superconduct\$4 or super-conduct\$4 or "super conduct\$4")	77788

END OF SEARCH HISTORY

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 11 of 11 returned.

☐ 1. Document ID: US 20040066193 A1

Using default format because multiple data bases are involved.

L14: Entry 1 of 11

File: PGPB

Apr 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040066193

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040066193 A1

TITLE: Methods and devices for dissolving hyperpolarised solid material for nmr analyses

PUBLICATION-DATE: April 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Ardenkjaer-Larsen, Jan Henrik	Malmo		SE	
Axelsson, Oskar H.E.	Malmo		SE	
Golman, Klaes Koppel	Malmo		SE	
Hansson, Georg	Malmo		SE	
Johannesson, H.	Malmo		SE	
Servin, Rolf	Malmo		SE	
Thaning, Mikkel	Malmo		SE	
Hansson, Lennart	Malmo		SE	

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Drawings	Drawings
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☐ 2. Document ID: US 5379600 A

L14: Entry 2 of 11

File: USPT

Jan 10, 1995

US-PAT-NO: 5379600

DOCUMENT-IDENTIFIER: US 5379600 A

TITLE: Superconducting magnet and method for assembling the same

DATE-ISSUED: January 10, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Moritsu; Kazuki	Ako	JP
Matsumoto; Takahiro	Ako	JP
Horikawa; Mitsuo	Ako	JP
Nakagawa; Shuichi	Ako	JP
Yoshimura; Hideto	Amagasaki	JP
Nagao; Masashi	Amagasaki	JP
Inaguchi; Takashi	Amagasaki	JP

US-CL-CURRENT: 62/47.1; 505/892, 62/51.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Draw D
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☐ 3. Document ID: US 5278502 A

L14: Entry 3 of 11

File: USPT

Jan 11, 1994

US-PAT-NO: 5278502

DOCUMENT-IDENTIFIER: US 5278502 A

TITLE: Refrigerated superconducting MR magnet with integrated cryogenic gradient coils

DATE-ISSUED: January 11, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Laskaris; Evangelos T.	Schenectady	NY		
Dorri; Bizhan	Clifton Park	NY		
Vermilyea; Mark E.	Schenectady	NY		
Mueller; Otward M.	Ballston Lake	NY		

US-CL-CURRENT: 324/318; 324/319

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Draw D
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☐ 4. Document ID: US 5113165 A

L14: Entry 4 of 11

File: USPT

May 12, 1992

US-PAT-NO: 5113165

DOCUMENT-IDENTIFIER: US 5113165 A

TITLE: Superconductive magnet with thermal diode

DATE-ISSUED: May 12, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ackermann; Robert A.	Schenectady	NY		

US-CL-CURRENT: 335/216; 335/299, 335/300, 335/301, 505/879, 62/45.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Drawings
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☐ 5. Document ID: US RE33878 E

L14: Entry 5 of 11

File: USPT

Apr 14, 1992

US-PAT-NO: RE33878

DOCUMENT-IDENTIFIER: US RE33878 E

TITLE: Cryogenic recondenser with remote cold box

DATE-ISSUED: April 14, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bartlett; Allen J.	Milford	MA		
Andeen; Bruce R.	Boxborough	MA		
Lessard; Philip A.	Boxborough	MA		

US-CL-CURRENT: 62/47.1; 165/133, 62/51.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Drawings
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☐ 6. Document ID: US 5093645 A

L14: Entry 6 of 11

File: USPT

Mar 3, 1992

US-PAT-NO: 5093645

DOCUMENT-IDENTIFIER: US 5093645 A

TITLE: Superconductive switch for conduction cooled superconductive magnet

DATE-ISSUED: March 3, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dorri; Bizhan	Clifton Park	NY		
Laskaris; Evangelos T.	Schenectady	NY		

US-CL-CURRENT: 335/216; 174/125.1, 338/325

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Drawings
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☐ 7. Document ID: US 4935714 A

L14: Entry 7 of 11

File: USPT

Jun 19, 1990

US-PAT-NO: 4935714
DOCUMENT-IDENTIFIER: US 4935714 A

TITLE: Low thermal conductance support for a radiation shield in a MR magnet

DATE-ISSUED: June 19, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vermilyea; Mark E.	Schenectady	NY		

US-CL-CURRENT: 505/211; 324/318, 335/216, 335/299

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Drawings
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☐ 8. Document ID: US 4924198 A

L14: Entry 8 of 11

File: USPT

May 8, 1990

US-PAT-NO: 4924198
DOCUMENT-IDENTIFIER: US 4924198 A

TITLE: Superconductive magnetic resonance magnet without cryogens

DATE-ISSUED: May 8, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Laskaris; Evangelos T.	Schenectady	NY		

US-CL-CURRENT: 505/211; 174/15.4, 324/318, 335/216, 335/299, 505/163

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	FIGS	Drawings
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☐ 9. Document ID: US 4902995 A

L14: Entry 9 of 11

File: USPT

Feb 20, 1990

US-PAT-NO: 4902995
DOCUMENT-IDENTIFIER: US 4902995 A

TITLE: Cable suspension system for cylindrical cryogenic vessels

DATE-ISSUED: February 20, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vermilyea; Mark E.	Schenectady	NY		

US-CL-CURRENT: 505/211; 174/15.4, 324/318, 335/216, 335/299

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	DOC	Drawings
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☐ 10. Document ID: US 4895831 A

L14: Entry 10 of 11

File: USPT

Jan 23, 1990

US-PAT-NO: 4895831

DOCUMENT-IDENTIFIER: US 4895831 A

TITLE: Ceramic superconductor cryogenic current lead

DATE-ISSUED: January 23, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Laskaris; Evangelos T.	Schenectady	NY		

US-CL-CURRENT: 505/163; 174/15.5, 335/299, 335/300, 505/211, 505/886

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	DOC	Drawings
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☐ 11. Document ID: US 4766741 A

L14: Entry 11 of 11

File: USPT

Aug 30, 1988

US-PAT-NO: 4766741

DOCUMENT-IDENTIFIER: US 4766741 A

TITLE: Cryogenic recondenser with remote cold box

DATE-ISSUED: August 30, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bartlett; Allen J.	Milford	MA		
Andeen; Bruce R.	Acton	MA		
Lessard; Philip A.	Acton	MA		

US-CL-CURRENT: 62/51.2; 165/133, 62/47.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	DOC	Drawings
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Term	Documents
MAGNETIC	1481181

MAGNETICS	12930
RESONANCE	293373
RESONANCES	17094
MRI	26701
MRIS	377
NMR	144648
NMRS	250
(13 AND (MRI OR (MAGNETIC ADJ RESONANCE) OR NMR)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	11
(L13 AND ((MAGNETIC ADJ RESONANCE) OR MRI OR NMR)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	11

Display Format:

Change Format

[Previous Page](#)[Next Page](#)[Go to Doc#](#)

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 7 of 7 returned.

☐ 1. Document ID: US 20030218852 A1

Using default format because multiple data bases are involved.

L18: Entry 1 of 7

File: PGPB

Nov 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030218852

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030218852 A1

TITLE: Magnetic condensing system for cryogenic engines

PUBLICATION-DATE: November 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Minovitch, Michael Andrew	Los Angeles	CA	US	

US-CL-CURRENT: 361/146

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	DOC	Draw D
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☐ 2. Document ID: US 6739137 B2

L18: Entry 2 of 7

File: USPT

May 25, 2004

US-PAT-NO: 6739137

DOCUMENT-IDENTIFIER: US 6739137 B2

TITLE: Magnetic condensing system for cryogenic engines

DATE-ISSUED: May 25, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Minovitch; Michael Andrew	Los Angeles	CA	90027	

US-CL-CURRENT: 62/3.1; 62/467

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	DOC	Draw D
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☐ 3. Document ID: US 5735127 A

L18: Entry 3 of 7

File: USPT

Apr 7, 1998

US-PAT-NO: 5735127

DOCUMENT-IDENTIFIER: US 5735127 A

TITLE: Cryogenic cooling apparatus with voltage isolation

DATE-ISSUED: April 7, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pfotenhauer; John M.	Madison	WI		
Lokken; Orrin D.	Fitchburg	WI		

US-CL-CURRENT: 62/6; 165/4, 174/125.1, 335/216, 62/259.2, 62/51.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Pub	Draw
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☐ 4. Document ID: US RE33878 E

L18: Entry 4 of 7

File: USPT

Apr 14, 1992

US-PAT-NO: RE33878

DOCUMENT-IDENTIFIER: US RE33878 E

TITLE: Cryogenic recondenser with remote cold box

DATE-ISSUED: April 14, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bartlett; Allen J.	Milford	MA		
Andeen; Bruce R.	Boxborough	MA		
Lessard; Philip A.	Boxborough	MA		

US-CL-CURRENT: 62/47.1; 165/133, 62/51.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Pub	Draw
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☐ 5. Document ID: US 4795113 A

L18: Entry 5 of 7

File: USPT

Jan 3, 1989

US-PAT-NO: 4795113

DOCUMENT-IDENTIFIER: US 4795113 A

TITLE: Electromagnetic transportation system for manned space travel

DATE-ISSUED: January 3, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Minovitch; Michael A.	Los Angeles	CA	90027	

US-CL-CURRENT: 244/63; 104/138.1, 104/282, 104/292, 244/158R, 244/172, 335/219

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	DOC	Drawings
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☐ 6. Document ID: US 4766741 A

L18: Entry 6 of 7

File: USPT

Aug 30, 1988

US-PAT-NO: 4766741

DOCUMENT-IDENTIFIER: US 4766741 A

TITLE: Cryogenic recondenser with remote cold box

DATE-ISSUED: August 30, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bartlett; Allen J.	Milford	MA		
Andeen; Bruce R.	Acton	MA		
Lessard; Philip A.	Acton	MA		

US-CL-CURRENT: 62/51.2; 165/133, 62/47.1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	DOC	Drawings
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☐ 7. Document ID: US 4624109 A

L18: Entry 7 of 7

File: USPT

Nov 25, 1986

US-PAT-NO: 4624109

DOCUMENT-IDENTIFIER: US 4624109 A

TITLE: Condensing atmospheric engine and method

DATE-ISSUED: November 25, 1986

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Minovitch; Michael A.	Los Angeles	CA	90027	

US-CL-CURRENT: 60/648; 60/655, 62/601, 62/615

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	DOC	Drawings
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
GRADIENT	270368
GRADIENTS	66522
(17 AND GRADIENT).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	7
(L17 AND (GRADIENT)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	7

Display Format:

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US RE33878 E

Using default format because multiple data bases are involved.

L19: Entry 1 of 2

File: USPT

Apr 14, 1992

US-PAT-NO: RE33878

DOCUMENT-IDENTIFIER: US RE33878 E

TITLE: Cryogenic recondenser with remote cold box

DATE-ISSUED: April 14, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bartlett; Allen J.	Milford	MA		
Andeen; Bruce R.	Boxborough	MA		
Lessard; Philip A.	Boxborough	MA		

US-CL-CURRENT: 62/47.1; 165/133, 62/51.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Publ	Draw
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☐ 2. Document ID: US 4766741 A

L19: Entry 2 of 2

File: USPT

Aug 30, 1988

US-PAT-NO: 4766741

DOCUMENT-IDENTIFIER: US 4766741 A

TITLE: Cryogenic recondenser with remote cold box

DATE-ISSUED: August 30, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bartlett; Allen J.	Milford	MA		
Andeen; Bruce R.	Acton	MA		
Lessard; Philip A.	Acton	MA		

US-CL-CURRENT: 62/51.2; 165/133, 62/47.1

Full	Title	Citation	Print	Review	Classification	Date	Reference			Claims	Index	Drawings
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Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Term	Documents
MAGNETIC	1481181
MAGNETICS	12930
RESONANCE	293373
RESONANCES	17094
MRI	26701
MRIS	377
NMR	144648
NMRS	250
(18 AND (MRI OR (MAGNETIC ADJ RESONANCE) OR NMR)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	2
(L18 AND ((MAGNETIC ADJ RESONANCE) OR MRI OR NMR)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	2

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[Previous Page](#)[Next Page](#)[Go to Doc#](#)